

Title (en)  
BOUNDARY LAYER INGESTING BLADE

Title (de)  
GRENZSCHICHTAUFNEHMENDES ROTORBLATT

Title (fr)  
PALE À INGESTION DE COUCHE LIMITE

Publication  
**EP 3077283 A1 20161012 (EN)**

Application  
**EP 14867254 A 20141124**

Priority  
• US 201314096541 A 20131204  
• US 2014067140 W 20141124

Abstract (en)  
[origin: US2015152733A1] A boundary layer ingesting (BLI) blade having a span is provided and includes a root section connectable to a hub, a tip section disposable at a distance from the hub and having a pitch and a body extending in a spanwise dimension from the root section to the tip section. The root section has a local pitch from the root section to about a 70% span location, which is less than the pitch at the tip section, to thereby reduce local angles of attack in a boundary layer region defined in and around the root section.

IPC 8 full level  
**B64C 11/18** (2006.01)

CPC (source: EP US)  
**B64C 11/18** (2013.01 - EP US); **B64C 27/82** (2013.01 - EP US); **B64C 2027/8236** (2013.01 - EP US); **F01D 5/14** (2013.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2015152733 A1 20150604; US 9688395 B2 20170627**; EP 3077283 A1 20161012; EP 3077283 A4 20170809; EP 3077283 B1 20181114; WO 2015084624 A1 20150611

DOCDB simple family (application)  
**US 201314096541 A 20131204**; EP 14867254 A 20141124; US 2014067140 W 20141124